

CLAIMS

1. Device for detecting electromagnetic radiations,  
and in particular infrared radiations,  
5 implementing a detection circuit associated with a  
reading circuit, the detection circuit consisting  
of an array of detection pixels (1), each of the  
said pixels consisting of a thermal detector of  
biased (3) bolometric type (2), and delivering an  
10 electric current representative of the detected  
radiation, the said current undergoing a double  
baselining, respectively:
- a global baselining carried out by means of a  
thermally isolated bolometer (8), ensuring the  
15 extraction from the said electric current, of a  
first current of constant value inherent to the  
biasing of the said thermal detector (2),
  - an adaptive baselining specific to each of the  
pixels (1), carried out by means of a  
20 programmable current generator (9), specific to  
each of the pixels, generating a current for  
subtraction from the said signal, as a function  
of the dispersion inherent to the pixel  
considered relative to a reference signal and  
25 stored in an associated memory,  
**characterized** in that the said associated memory  
is integrated at the level of each of the said  
pixels.
- 30 2. Device for detecting electromagnetic radiations  
according to Claim 1, **characterized** in that the  
phase of reading the data of each of the memories  
associated with the said pixels occurs between the  
end of the integration of a row n and the start of  
35 the integration of a row n+1 of the array of the  
said pixels.